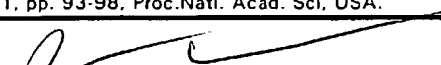

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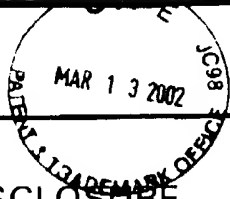
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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTORNEY'S DKT No. 033072-026 | APPLICATION No. 09/993,844 |
| | APPLICANT Robert H. Oakley, et al. | |
| | FILING DATE November 5, 2001 | GROUP 1645 |
| | | |

| U.S. PATENT DOCUMENTS | | | | |
|-----------------------|----------------------|-------------------------|--|-------------------------------------|
| Examiner Initials | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication (MM-DD-YYYY) |
| | Number | Kind Code (if known) | | |
| 2 | 6,110,693 | | Barak, et al. | 08-29-2000 |
| 2 | 6,066,476 | | Tsien, et al. | 05-23-2000 |
| 2 | 5,891,646 | | Barak, et al. | 04-06-1999 |
| 2 | 5,777,079 | | Tsien, et al. | 07-07-1998 |
| 2 | 5,625,048 | | Tsien, et al. | 04-29-1997 |
| 2 | 4,981,784 | | Evans, et al. | 01-01-1991 |
| 2 | 4,816,567 | | Cabilly, et al. | 03-28-1989 |
| 2 | 4,493,890 | | Morris | 01-15-1985 |
| 2 | 4,491,632 | | Wands, et al. | 01-01-1985 |
| 2 | 4,472,500 | | Milstein, et al. | 09-18-1984 |
| 2 | 4,466,917 | | Nussenzweig, et al. | 08-21-1984 |
| 2 | 4,451,570 | | Royston, et al. | 05-29-1984 |
| 2 | 4,444,887 | | Hoffmann | 04-24-1984 |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-------------------------|-------------------------|---------|-------------------------------------|-------------|----|
| Examiner Initials | Foreign Patent Document | | Country | Date of Publication (MM-DD-YYYY) | Translation | |
| | Number | Kind Code (if known) | | | Yes | no |
| 2 | WO88/03168 | A1 | PCT | 05-05-1988 | | |
| 2 | WO01/58923 | A2 | PCT | 08-16-2001 | | |
| 2 | WO98/44350 | A1 | PCT | 10-08-1998 | | |
| 2 | WO00/12704 | A2 | PCT | 03-09-2000 | | |
| 2 | WO99/66324 | A2 | PCT | 12-23-1999 | | |
| 2 | WO94/16684 | A1 | PCT | 08-04-1994 | | |
| 2 | WO98/12310 | A1 | PCT | 03-26-1998 | | |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|--|--|--------------------|----------|
| Examiner Initials | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | |
| 2 | ANGERS, S., et al., <i>Detection of β_2-Adrenergic receptor dimerization in living cells using bioluminescence resonance energy transfer (BRET)</i> , <i>Proceedings of the National Academy of Sciences</i> , Vol 97, No. 7, March 28, 2000, pp. 3684-3689, Proc.Natl. Acad. Sci, USA. | | | |
| 2 | ATTRAMADAL, H., et al., <i>β-Arrestin2, a Novel Member of the Arrestin/β-Arrestin Gene Family</i> , <i>Journal of Biological Chemistry</i> , Vol 257, No. 25, September 5, 1992, pp 17882-17890, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | | |
| 2 | BARAK, et al., <i>Abstract #2484, Molecular Biology of the Cell</i> , Vol 7, p. 427a December 1996, 6 th International Congress on Cell Biology & 36 th American Society for Cell Biology Annual Meeting, December 7 - 11, 1996, San Francisco, CA. | | | |
| 2 | BARAK, L.S., et al., <i>Constitutive arrestin-mediated desensitization of a human vasopressin receptor mutant associated with nephrogenic diabetes insipidus</i> , <i>Proceedings of the National Academy of Sciences</i> , Vol 98, No. 1, January 2, 2001, pp. 93-98, Proc.Natl. Acad. Sci, USA. | | | |
| Examiner Signature |  | | Date Considered | 11-22-04 |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



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INFORMATION DISCLOSURE
STATEMENT BY APPLICANTATTORNEY'S DKT No.
033072-026APPLICATION No.
09/993,844APPLICANT
Robert H. Oakley, et al.FILING DATE
November 5, 2001GROUP
1645


U.S. PATENT DOCUMENTS

| Examiner Initials | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication (MM-DD-YYYY) |
|----------------------|----------------------|-------------------------|--|-------------------------------------|
| | Number | Kind Code (if known) | | |
| ✓ | 4,427,783 | | Newman, et al. | 01-24-1984 |
| ✓ | 4,399,121 | | Albarella, et al. | 08-15-1983 |
| ✓ | 4,342,566 | | Theofilopoulos, et al. | 08-03-1982 |
| ✓ | 4,341,761 | | Ganfield, et al. | 07-27-1982 |
| ✓ | 4,016,043 | | Schuurs, et al. | 04-05-1977 |
| ✓ | 3,850,752 | | Schuurs, et al. | 11-26-1974 |
| ✓ | 3,654,090 | | Schuurs, et al. | 04-04-1972 |
| ✓ | RE31,006 | | Schuurs, et al. | 08-03-1982 |
| ✓ | 4,816,397 | | Boss, et al. | 03-28-1989 |
| ✓ | 6,150,393 | | Behan, et al. | 11-21-2000 |
| ✓ | 6,107,324 | | Behan, et al. | 08-22-2000 |
| ✓ | 6,140,509 | | Behan, et al. | 10-31-2000 |
| ✓ | 5,989,835 | | Dunlay, et al. | 11-23-1999 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials | Foreign Patent Document | | Country | Date of Publication (MM-DD-YYYY) | Translation | |
|----------------------|-------------------------|-------------------------|---------|-------------------------------------|-------------|----|
| | Number | Kind Code (if known) | | | Yes | no |
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NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | |
|-----------------------|--|--------------------|----------|
| ✓ | BARAK, L.S., et al., <i>A highly Conserved Tyrosine Residue in G Protein-Coupled Receptors is Required for Agonist-mediated β_2-Adrenergic Receptor Sequestration</i> , <u>Journal of Biological Chemistry</u> , Vol 269, No. 4, January 28, 1994, pp. 2790-2795, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | |
| ✓ | BARAK, L.S., et al., <i>A β-Arrestin/Green Fluorescent Protein Biosensor for Detecting G Protein-coupled Receptor Activation</i> , <u>Journal of Biological Chemistry</u> , Vol. 272, No. 44, October 31, 1997, pp. 27497-27500, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | |
| ✓ | BARAK, L.S., et al., <i>The Conserved Seven-Transmembrane Sequence NP(X)₂Y of the G-Protein-Coupled Receptor Superfamily Regulates Multiple Properties of the β_2-Adrenergic Receptor</i> , <u>Biochemistry</u> , Vol. 34, No. 47, 1995, pp. 15407-15414. | | |
| ✓ | BARAK, L.S., et al., <i>Internal Trafficking and Surface Mobility of a Functionally Intact β_2-Adrenergic Receptor-Green Fluorescent Protein Conjugate</i> , <u>Molecular Pharmacology</u> , 51, 1997, pp. 177-184. | | |
| Examiner Signature |  | Date Considered | 11-22-07 |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



SHEET 3 OF 5

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

ATTORNEY'S DKT No.

033072-026

APPLICATION No.

09/993,844

APPLICANT

Robert H. Oakley, et al.

FILING DATE

November 5, 2001

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U.S. PATENT DOCUMENTS

| Examiner Initials | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication (MM-DD-YYYY) |
|----------------------|----------------------|-------------------------|--|-------------------------------------|
| | Number | Kind Code (if known) | | |
| 2 | 5,958,713 | | Thastrup, et al. | 09-28-1999 |
| 2 | 5,804,387 | | Cormack, et al. | 09-08-1998 |
| 2 | 5,491,084 | | Chalfie, et al. | 02-13-1996 |
| 2 | 5,532,157 | | Fink | 07-02-1996 |
| 2 | 5,482,835 | | King, et al. | 01-09-1996 |
| 2 | 5,468,854 | | McCabe, et al. | 11-21-1995 |
| 2 | 5,366,889 | | MacDonald, et al. | 11-22-1994 |
| 2 | 5,284,746 | | Sledziewski, et al. | 02-08-1994 |
| 2 | 5,576,436 | | McCabe, et al. | 11-19-1996 |
| | | | | |
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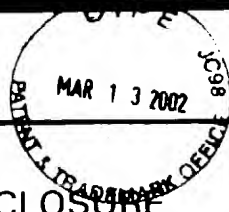
FOREIGN PATENT DOCUMENTS

| Examiner Initials | Foreign Patent Document | | Country | Date of Publication (MM-DD-YYYY) | Translation | |
|----------------------|-------------------------|-------------------------|---------|-------------------------------------|-------------|----|
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NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
|-----------------------|---|
| 2 | BARAK, L.S., et al., <i>Real-time Visualization of the Cellular Redistribution of G Protein-coupled Receptor Kinase 2 and β-arrestin 2 during Homologous Desensitization of the Substance P Receptor</i> , <i>Journal of Biological Chemistry</i> , Vol. 274, No. 11, March 12, 1999, pp. 7565-7569, The American Society for Biochemistry and Molecular Biology, Inc., USA. |
| 2 | CUBITT, A., et al., <i>Understanding, Improving and Using Green Fluorescent Proteins</i> , <i>Trends in Biochemical Sciences</i> , International Union of Biochemistry and Molecular Biology, 448-455, 1995, Elsevier Trends Journals, Oxford, UK. |
| 2 | DREWS, J., <i>Drug Discovery: A Historical Perspective</i> , <i>Science</i> , Vol. 287, March 17, 2000, pp. 1960-1964, American Association for the Advancement of Science, Washington, D.C. |
| 2 | FERGUSON, S.S.G., et al., <i>G-protein-coupled receptor regulation: role of G-protein-coupled receptor kinases and arrestins</i> , <i>Can. J. Physiol. Pharmacol.</i> , Vol. 74, 1996, pp. 1095-1110, NRC, Canada. |
| 2 | FERGUSON, S.S.G., et al., <i>Molecular Mechanisms of G Protein-Coupled Receptor Desensitization and Resensitization</i> , <i>Life Sciences</i> , XP-002076355, Vol 62, pp.1561-1565, 1998, Elsevier Publication, USA. |
| 2 | FERGUSON, S.S.G., et al., <i>Role of Phosphorylation in Agonist-promoted β_2-Adrenergic Receptor Sequestration</i> , <i>Journal of Biological Chemistry</i> , Vol 270, No. 42, October 20, 1995, pp. 24782-24789, The American Society for Biochemistry and Molecular Biology, Inc., USA. |
| Examiner Signature | Date Considered |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



SHEET 4 OF 5

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANTATTORNEY'S DKT No.
033072-026APPLICATION No.
09/993,844

APPLICANT

Robert H. Oakley, et al.

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November 5, 2001

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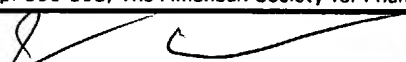
U.S. PATENT DOCUMENTS

| Examiner Initials | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication (MM-DD-YYYY) |
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| | Number | Kind Code (if known) | | |
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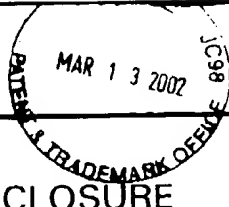
FOREIGN PATENT DOCUMENTS

| Examiner Initials | Foreign Patent Document | | Country | Date of Publication (MM-DD-YYYY) | Translation | |
|----------------------|-------------------------|-------------------------|---------|-------------------------------------|-------------|----|
| | Number | Kind Code (if known) | | | Yes | no |
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NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | |
|--------------------|--|-----------------|----------|
| 2 | FERGUSON, S.S.G., et al., <i>Role of β-arrestin in Mediating Agonist-Promoted G Protein-Coupled Receptor Internalization</i> , <u>Science</u> , Vol. 271, January 19, 1996, pp363-366. | | |
| 2 | GRADY, E., et al., <i>Mechanisms Attenuating Cellular Responses to Neuropeptides: Extracellular Degradation of Ligands and Desensitization of Receptors</i> , <u>The Journal of Investigative Dermatology Symposium Proceedings</u> , Vol 21, No. 1, pp. 69 - 75, August 1997, The Society of Investigative Dermatology, Inc. | | |
| 2 | HARRIS, E., et al, <i>Protein Purification Methods</i> , pp.12-18, 1989, Oxford University Press, New York, U.S. | | |
| 2 | HAUSDÖRFF, W.P., et al., <i>A Mutation of the β_2-Adrenergic Receptor Impairs Agonist Activation of Adenylyl Cyclase without Affecting High Affinity Agonist Binding</i> , <u>Journal of Biological Chemistry</u> , Vol 265, No. 3, January 25, 1990, pp. 1388-1393, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | |
| 2 | KIM, K.-M., et al., <i>Differential Regulation of the Dopamine D_2 and D_3 Receptors by G Protein-coupled Receptor Kinases and β-arrestins</i> , <u>Journal of Biological Chemistry</u> , Vol 276 No. 40, October 5, 2001, pp. 37409-97414, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | |
| 2 | LAPORTE, S. A., et al., <i>The Interaction of β-Arrestin with the AP-2 Adaptor Is Required for the Clustering of β_2-Adrenergic Receptor into Clathrin-coated Pits</i> , <u>Journal of Biological Chemistry</u> , Vol 275, No. 30, July 28, 2000, pp. 23120-23126, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | |
| 2 | LAPORTE, S.A., et al., <i>The β_2-Adrenergic Receptor/β-arrestin complex recruits the clathrin adaptor AP-2 during endocytosis</i> , <u>Proceedings of the National Academy of Sciences</u> , Vol 96, No. 7, March 30, 1999, pp. 3712-3717, <u>Proc.Natl. Acad. Sci</u> , USA. | | |
| 2 | LOHSE, M., et al., <i>β-Arrestin: A Protein That Regulates β-Adrenergic Receptor Function</i> , <u>Science</u> , Vol. 248, pp. 1547-1550, June 22, 1990. | | |
| 2 | MCCONALOGUE, K., et al., <i>Activation and Internalization of the μ-opioid Receptor by the Newly Discovered Endogenous Agonists, Endomorphin-1 and Endomorphin-2</i> , <u>Neuroscience</u> , Vol. 90, No. 3, pp. 1051-1059, 1999, Elsevier Science Ltd., Great Britain. | | |
| 2 | MCCONALOGUE, K., et al., <i>Cellular and Subcellular Localization of G-Protein Receptor Kinases, Arrestins and G-Proteins: Implications for Receptor Regulation</i> , <u>Supplement to Gastroenterology</u> , Digestive Disease Week and the 96 th Annual Meeting of the American Gastroenterological Association, Vol. 110, No. 4, April 1996. | | |
| 2 | MCCONALOGUE, K., et al., <i>G Protein-Coupled Receptors in Gastrointestinal Physiology II. Regulation of Neuropeptide receptors in enteric neurons</i> , <u>Receptor Regulation</u> , pp. G792-G796, 1998, American Physiological Society. | | |
| 2 | MCCONALOGUE, K., et al., <i>Substance P-induced Trafficking of β-arrestins</i> , <u>Journal of Biological Chemistry</u> , Vol. 274, No. 23, pp.16257-16268, June 4, 1999, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | |
| 2 | MÉNARD, L., et al., <i>Members the G Protein-Coupled Receptor Kinase Family that Phosphorylate the β_2-Adrenergic Receptor Facilitate Sequestration</i> , <u>Biochemistry</u> , Vol. 35, No. 13, 1996, pp. 4155-4160, The American Chemical Society. | | |
| 2 | MÉNARD, L., et al., <i>Synergistic Regulation of β_2-Adrenergic Receptor Sequestration: Intracellular Complement of β_2-Adrenergic Receptor Kinase and β-Arrestin Determine Kinetics of Internalization</i> , <u>Molecular Pharmacology</u> , Vol. 51, No. 5, May 1997, pp. 800-808, The American Society for Pharmacology and Experimental Therapeutics. | | |
| Examiner Signature |  | Date Considered | 11-22-04 |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.



SHEET 5 OF 5

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANTATTORNEY'S DKT No.
033072-026APPLICATION No.
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Robert H. Oakley, et al.FILING DATE
November 5, 2001GROUP
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U.S. PATENT DOCUMENTS

| Examiner Initials | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication (MM-DD-YYYY) |
|----------------------|----------------------|-------------------------|--|-------------------------------------|
| | Number | Kind Code (if known) | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials | Foreign Patent Document | | Country | Date of Publication (MM-DD-YYYY) | Translation | |
|----------------------|-------------------------|-------------------------|---------|-------------------------------------|-------------|----|
| | Number | Kind Code (if known) | | | Yes | no |
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NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | |
|-----------------------|---|--------------------|----------|
| 2 | MHAOUTY-KODJA, S., et al., <i>Constitutively Active Alpha-1b Adrenergic Receptor Mutants Display Different Phosphorylation and Internalization Features</i> , <u>Molecular Pharmacology</u> , Vol. 55, No. 2, February 1999, pp. 339-347, The American Society for Pharmacology and Experimental Therapeutics. | | |
| 2 | ORMÖ, M., et al., <i>Crystal Structure of the Aequorea victoria Green Fluorescent Proteins</i> , <u>Science</u> Vol. 273, pp. 1392-1395, 1996, American Association for the Advancement of Science, Washington, D.C. | | |
| 2 | OAKLEY, R.H., et al., <i>Association of β-Arrestin with G Protein-coupled Receptors during Clathrin-mediated Endocytosis Dictates the Profile of Receptor Resensitization</i> , <u>Journal of Biological Chemistry</u> , Vol 274, No. 45, November 5, 1999, pp. 32248-32257, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | |
| 2 | OAKLEY, R.H., et al., <i>Differential Affinities of Visual Arrestin, β-Arrestin1, and β-Arrestin2 for G Protein-coupled Receptors Delineate Two Major Classes of Receptors</i> , <u>Journal of Biological Chemistry</u> , Vol 275, No. 22, June 2, 2000, pp. 17201-17210, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | |
| 2 | OAKLEY, R.H., et al., <i>Molecular Determinants Underlying the Formation of Stable Intracellular G Protein-coupled Receptor - β-Arrestin Complexes after Receptor Endocytosis</i> , <u>Journal of Biological Chemistry</u> , Vol 276, No. 22, June 1, 2001, pp. 19452 - 19460, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | |
| 2 | YOKOE, <i>Spatial Dynamics of GFP-tagged proteins investigated by local fluorescence enhancement</i> , <u>Nature Biotechnology</u> , Vol. 14, pp. 1252 - 1256, October 14, 1996. | | |
| 2 | ZHANG, J., et al., <i>Cellular Trafficking of G Protein-coupled Receptor/β-Arrestin Endocytic Complexes</i> , <u>Journal of Biological Chemistry</u> , Vol 274, No. 16, April 16, 1999, pp. 10999-11006, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | |
| 2 | ZHANG, J., et al., <i>A Central Role for β-Arrestins and Clathrin-coated Vesicle-mediated Endocytosis in β_2-Adrenergic Receptor Resensitization</i> , <u>Journal of Biological Chemistry</u> , Vol. 272, No. 43, October 24, 1997, pp. 27005-27014, The American Society for Biochemistry and Molecular Biology, Inc., USA. | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Examiner Signature | | Date Considered | 11-22-01 |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

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SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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|-------|---|----|---|------------------------|--------------------------|
| Sheet | 1 | of | 1 | Application Number | 09/993,844 |
| | | | | Filing Date | November 5, 2001 |
| | | | | First Named Inventor | Robert H. Oakley, et al. |
| | | | | Examiner Name | John D. Ulm |
| | | | | Attorney Docket Number | 033072-026 |

NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
|-------------------|--|
| 2 | BORLE, A.B., <i>An Overview of Techniques for the Measurement of Calcium Distribution, Calcium Fluxes, and Cytosolic Free Calcium in Mammalian Cells</i> , <u>Environmental Health Perspectives</u> , March 1990, pp. 45-56, Vol. 84, U.S. Dept of Health and Human Services, U.S.A. |
| 2 | BOSS, V., et al., <i>Induction of NFAT-mediated Transcription by G_q-coupled Receptors in Lymphoid and Non-lymphoid Cells</i> , <u>The Journal of Biological Chemistry</u> , May 3, 1996, pp. 10429-10432, Vol. 271, No. 18, The American Society for Biochemistry and Molecular Biology, Inc., USA. |
| 2 | CHEN, W., et al., <i>β-Arrestin 2 Mediates Endocytosis of Type III TGF-β Receptor and Down-Regulation of Its Signaling</i> , <u>Science</u> , September 5, 2003, pp. 1394-1397, Vol. 301, American Association for the Advancement of Science, USA. |
| 2 | EDGE, M.D., et al., <i>Total synthesis of a human leukocyte interferon gene</i> , <u>NATURE</u> , August 20, 1981, pp. 756-762, Vol. 292, No. 5825, American Chemical Society, Macmillian Journals, Ltd. |
| 2 | INGLESE, J., et al., <i>Isoprenylation in regulation of signal transduction by G-protein-coupled receptor kinases</i> , <u>Nature</u> , September 10, 1992, pp. 147-150, Vol. 359, No. 6391, Macmillian Journals, Ltd. |
| 2 | JAY, E., et al., <i>Chemical Synthesis of a Biologically Active Gene for Human Immune Interferon-γ</i> , <u>The Journal of Biological Chemistry</u> , May 25, 1984, pp. 6311-6317, Vol. 259, No. 10, The American Society of Biological Chemists, Inc., USA. |
| 2 | LYONS, S., et al., <i>An immunological method for detecting gene expression in yeast colonies</i> , <u>Proceedings of the National Academy of Sciences USA</u> , December 1984, pp. 7426-7430, Vol. 81. |
| 2 | NAMBIAR, K.P., et al., <i>Total Synthesis and Cloning of a Gene Coding for the Ribonuclease S Protein</i> , <u>Science</u> , 1984, pp. 1299-1301, Vol. 223, Elsevier Science Inc., USA. |
| 2 | NOREN, C.J., et al., <i>A General Method for Site-Specific Incorporation of Unnatural Amino Acids into Proteins</i> , <u>Science</u> , April 14, 1989, pp. 182-188, Vol. 244, American Association for the Advancement of Science, USA. |

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|--------------------|-----------------|
| Examiner Signature | Date Considered |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.